

AccuVert™ HIV-1 Seroconversion Panel

0600-0271 / Batch #10285739

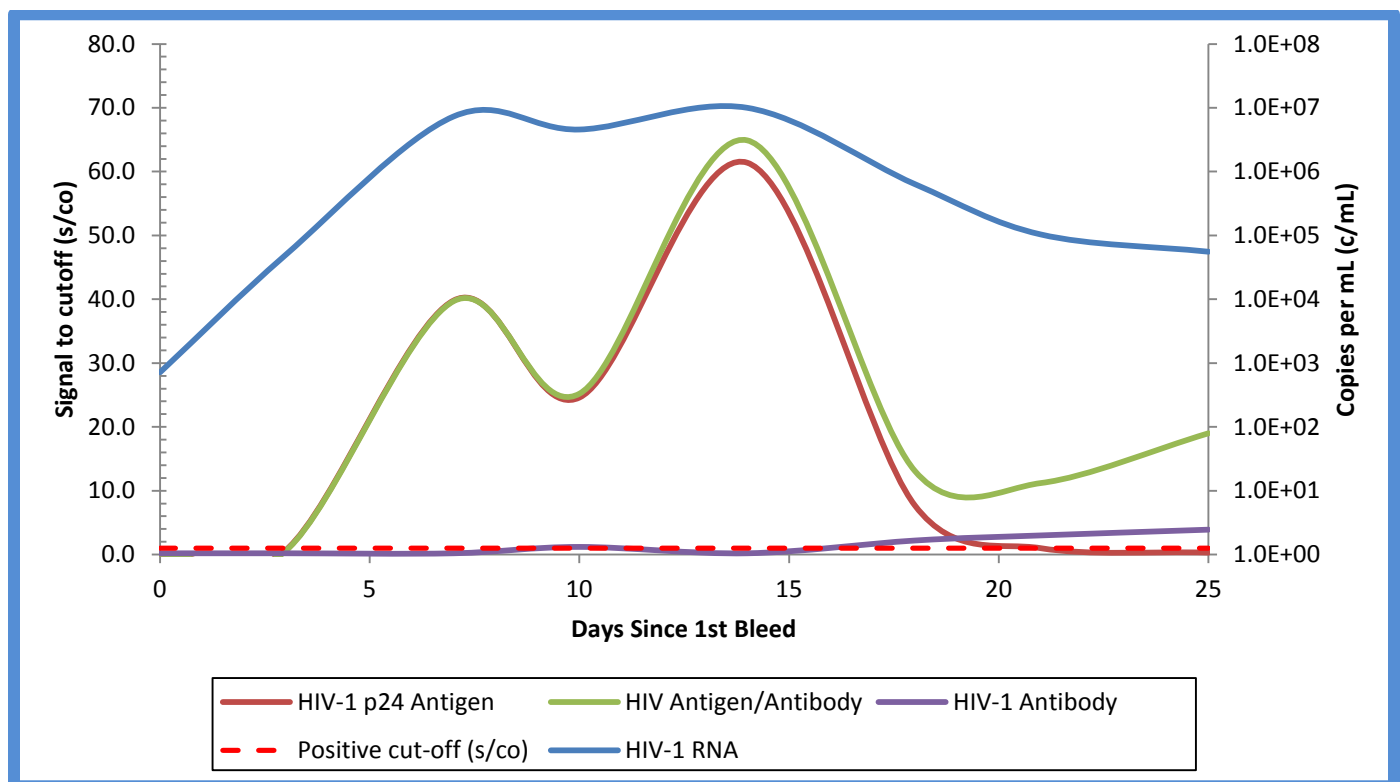
OVERVIEW

AccuVert™ HIV-1 Seroconversion Panel 0600-0271 / Batch #10285739 is a 8-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL) collected in the United States from an HIV-1 subtype B donor. Panel members represent serial bleeds collected from a single individual over 25 days in 2015 during the development of an HIV infection and subsequent response.

For Research Use Only. Not for use in diagnostic procedures. Data are offered for informational purposes only. SeraCare Life Sciences does not claim these results can be duplicated exactly.

CAUTION: Potentially infectious materials. Follow Universal Precautions. Some panel members were found positive for markers of HIV infection; all were found negative for HBsAg and anti-HCV. This does not ensure the absence of these or other human pathogens.

Evolution of HIV Markers in Early Infection



This graph demonstrates the evolution of early HIV infection amongst panel members from the Perkin Elmer (HIV-1 p24 Antigen), Abbott ARCHITECT (HIV Antigen/Antibody), Aviaq HIV-1 microelisa (HIV-1 Antibody) and Roche COBAS (HIV-1 RNA) test methods. Note: Member 03 only graphs the reportable singlicate test result of the Roche COBAS HIV-1 RNA assay at 7.3×10^6 c/mL.

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Panel Member Information

Panel Member	SeraCare Batch #	Donor ID	Bleed Date	Days Since 1 st Bleed
01	10266915	BD328463	28-Aug-2015	0
02	10266916	BD328463	31-Aug-2015	3
03	10266917	BD328463	4-Sep-2015	7
04	10266918	BD328463	7-Sep-2015	10
05	10266919	BD328463	11-Sep-2015	14
06	10266920	BD328463	15-Sep-2015	18
07	10266921	BD328463	18-Sep-2015	21
08	10266922	BD328463	22-Sep-2015	25

HIV RNA and HIV Antigen

Panel Member	Roche COBAS® AmpliPrep COBAS® TaqMan HIV-1 Test v2.0 (copies/mL) ¹	Perkin Elmer Alliance HIV-1 p24 Ag ELISA (s/co) ²
01	7.2 x 10²	0.1
02	5.0 x 10⁴	0.7
03	>1.0 x 10⁷, 7.3 x 10⁶	39.8
04	4.6 x 10⁶	24.6
05	>1.0 x 10⁷	61.4
06	6.4 x 10⁵	7.7
07	1.0 x 10⁵	1.0
08	5.6 x 10⁴	0.3
Test Date	11-Oct-2017	16-Oct-2017
Test Site	RL	SC
Kit Part Code	NA	NEK050A
Kit Lot No.	NA	990-17312
Kit Exp. Date	NA	01-Apr-2018
Kit Regulatory Status	IVD	RUO

¹ Quantitative HIV RNA results are the means of duplicates expressed as copies/mL. Members considered reactive are noted in bold red.

² Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios ≥1.0 are considered reactive and noted in bold red.

NA = Not Available

RL = Reference Lab; SC = SeraCare

IVD = In vitro diagnostic use; RUO = Research Use Only

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HIV Antigen/Antibody, HIV Antibody and HIV Rapid Test

Panel Member	Abbott HIV Ag/Ab ARCHITECT Combo (s/co) ¹	Bio-Rad GS HIV-1/HIV-2 PLUS O EIA (s/co) ¹	Avioq HIV-1 Microelisa System (s/co) ¹	Orasure OraQuick Advance HIV-1/2 Result
01	0.1	0.1	0.2	NEG
02	0.6	0.1	0.2	NEG
03	39.7	0.4	0.2	NEG
04	25.2	8.6	1.2	NEG
05	64.9	0.2	0.2	NEG
06	13.1	>14.184	2.2	POS
07	11.2	>14.184	3.0	POS
08	19.0	>14.184	3.9	POS
Test Date	16-Oct-2017	13-Oct-2017	13-Oct-2017	11-Oct-2017
Test Site	SC	SC	SC	SC
Kit Part Code	2P36	32588	100384	1001.0079
Kit Lot No.	77133LI00	112MBB-05	17114H	0006659684
Kit Exp. Date	05-Mar-2018	30-Nov-2017	06-May-2018	30-Nov-2019
Kit Regulatory Status	CE	IVD	IVD	IVD

¹ Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios ≥1.0 are considered reactive and noted in bold red.

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CE = Conformité Européenne or CE Marking; IVD = In vitro diagnostic use

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HIV Confirmatory

Panel Member	Bio-Rad Genetic Systems™ HIV-1 Western Blot Band Pattern	Bio-Rad Genetic Systems™ HIV-1 Western Blot Band Result	Bio-Rad Geenius™ HIV 1/2 Confirmatory Assay (HIV-1)	Bio-Rad Geenius™ HIV 1/2 Confirmatory Assay (HIV-2)
01	No Bands	NEG	NEG	NEG
02	No Bands	NEG	NEG	NEG
03	No Bands	NEG	NEG	NEG
04	No Bands	NEG	NEG	NEG
05	No Bands	NEG	NEG	NEG
06	f24, f160	IND	POS	NEG
07	24, f55, f160	IND	POS	NEG
08	24, 55, 160	POS	POS	NEG
Test Date	10-Oct-2017		11-Oct-2017	
Test Site	SC		RL	
Kit Part Code	32508		NA	
Kit Lot No.	64080031		7C00222	
Kit Exp. Date	22-Nov-2017		15-Feb-2019	
Kit Regulatory Status	IVD		IVD/CE	

f = Faint band

NEG = Negative; IND = Indeterminate; POS = Positive; NA = Not Available

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The package insert for this panel can be found at www.seracare.com.

A printed copy of the package insert or data sheet may be requested by email at info@seracare.com, or by phone at 508.244.6400.